II.   CLAIM AMENDMENTS

1. (Currently amended) A system for providing data communication between connected modules, wherein said modules are adapted to transmit to and receive from one another a data package comprising in a layered structure a physical layer comprising:

a first and a second segment for encapsulating other layers in said data package,

a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and

a transport layer defining a message in said data section, which message is configured according to a transport layer protocol and comprises:

a payload and a first header field for format of said payload,

a second header field for start of said payload in said message,

a third header field for length of said message,

a fourth header field for version of said transport layer protocol, and

a fifth header field for message group identity establishing receiving resource format of said payload.

2. (Original) A system according to claim 1, wherein said modules comprise a mobile communication device such as a cell, mobile or satellite telephone, a   personal   digital assistant, or a peripheral thereto.

3. (Previously presented) A system according to claim 1, wherein said modules comprise one or more objects communicating said message with one another, and a data link layer generator and physical layer generator adapted to encapsulate said message according to a data link layer protocol and to a physical layer protocol, respectively.

4. (Previously presented) A system according to claim 1, wherein said transport layer further comprises a sixth header field for a message identity for uniquely identifying said payload.

5. (Previously presented) A system according to claim 1, wherein said transport layer comprises a seventh header field for a connection number for identifying a communicating object in said module.

6. (Previously presented) A system according to claim 1, wherein said transport layer comprises an eight header field for a transaction identity for sequencing said message relative to other messages.

7. (Previously presented) A system according to claim 1, wherein said data link control data comprises a checksum field following said message.

8. (Previously presented) A system according claim 1, wherein said first segment of said physical layer comprises a media field for defining media, across which the data package is transferred.

9. (Previously presented) A system according to claim 1, wherein said first segment further comprises a synchronization field for synchronizing the receiving module with the transmitting module.

10. (Previously presented) A system according to claim 1, wherein said second segment of the physical layer comprises an index byte for providing the receiving module with information rewarding segmentation or partitioning of data contained in a message.

11. (Previously presented) A system according to claim 1, wherein said second segment further comprises a sequence and acknowledge field for providing a receiving module with information whether said data package is an acknowledgement message or an ordinary message.

12. (Previously presented) A system according to claim 1, wherein said second segment further comprises a sequence and an acknowledge field is adapted to inform whether an error was identified in the received data package, when said data package is an acknowledgement message.

13. (Previously presented) A system according to claim 11, wherein said sequence and acknowledgement field is further adapted to inform a receiving module that a sequence number in said receiving module should be reset.

14. (Previously presented) A system according to claim 11, wherein said sequence and acknowledgement field is adapted to recognize acknowledgement messages and detect missing data packages.

15. (Previously presented) A system according to claim 1, wherein said second segment further comprises a fill field for ensuring that all data packages sent over said port connector contain an even amount of bytes.

16. (Previously presented) A system according to claim 1, wherein said second segment further comprises a parity field for storing parity calculated on the basis of the data package excluding the parity field.

17. (Previously presented) A system according to claim 1, wherein said transport layer comprises a ninth header field for a future extension comprising information required by a future transport layer protocol.

18. (Currently amended) A data package for communicating between modules, wherein said data package is provided by a signal comprising having in a layered structure, physical layer data comprising:

a first and a second segment for encapsulating other layers in said data package,

a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and

a transport layer defining a message in said data section, which message is configured according to a transport layer protocol and comprises:

a payload and a first header field for format of said payload,

a second header field for start of said payload in said message,

a third header field for length of said message,

a fourth header field for version of said transport layer protocol, and

a fifth header field for message group identity establishing receiving resource format of said payload.

19. (Currently amended) A data package according to claim 18, wherein said transport layer further comprises a sixth header field for a message identity for uniquely identifying said payload.

20. (Previously presented) A data package according to claim 18, wherein said transport layer comprises a seventh header field for a connection number for identifying a communicating object in said module.

21. (Currently Amended) A data package according to claim 18, wherein said transport layer comprises an ~~eight~~ eighth header field for a transaction identity for sequencing said message relative to other messages.

22. (Previously presented) A data package according to claim 18, wherein said transport layer comprises a ninth header field for a future extension comprising information required by a future transport layer protocol.

23. (Previously presented) A receiver unit adapted to receive a data package according to claim 18.

24. (Previously presented) A transmitter unit adapted to transmit a data package according to claim 18.

25. (Currently Amended) A method for establishing data communication between modules, wherein said modules each communicate a data package comprising:

in a layered structure, a physical layer comprising a first and a second segment for encapsulating other layers in said data package, and

a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and wherein

said method ~~comprising~~ comprises: providing in said data package in a transport layer a message in said data section, which message is configured according to a transport layer protocol and comprises:

a payload and a first header field for format of said payload,

a second header field for start of said payload in said message,

a third header field for length of said message,

a fourth header field for version of said transport layer protocol, and

a fifth header field for message group identity establishing receiving resource format of said payload.

26. (Currently amended) A ~~storage medium having therein a~~ computer program comprising code ~~for operating a data processor~~ adapted to perform the following steps when said program is run in a data processor adapted to establish data communication by a sequence of steps between a plurality of modules, wherein said

plurality of modules each communicate a data package comprising in a layered structure having a physical layer comprising:

a first and a second segment for encapsulating other layers in said data package and a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and

wherein said program ~~providing~~ provides in a transport layer a message in said data section, which message is configured according to a transport layer protocol and comprises:

a payload and a first header field for format of said payload,

a second header field for start of said payload in said message,

a third header field for length of said message,

a fourth header field for version of said transport layer protocol, and

a fifth header field for message group identity establishing receiving resource format of said payload.